

In the Specification

Replace the paragraph at page 21, line 24 to page 22, line 5 with the following paragraph:

The connection joint can be formed from a wide variety of materials including copper, gold, nickel, palladium, tin, alloys thereof, and combinations thereof, can be formed by a wide variety of processes including electroplating, electroless plating, ball bonding and solder reflow, and can have a wide variety of shapes and sizes. The choice between a connection joint that partially or completely fills the through-hole and the shape of the connection joint depends on design and reliability considerations. Further details regarding an electroplated connection joint are disclosed in U.S. Application Serial No. 09/643,212, filed August 22, 2000 by Charles W.C. Lin entitled "Semiconductor Chip Assembly with Simultaneously Electroplated Contact Terminal and Connection Joint" which is incorporated by reference. Further details regarding an electrolessly plated connection joint are disclosed in U.S. Application Serial No. 09/643,214, filed August 22, 2000 by Charles W.C. Lin entitled "Semiconductor Chip Assembly with Simultaneously Electrolessly Plated Contact Terminal and Connection Joint" which is incorporated by reference.

In the Specification

The paragraph at page 21, line 24 to page 22, line 5 has been amended as follows:

The connection joint can be formed from a wide variety of materials including copper, gold, nickel, palladium, tin, alloys thereof, and combinations thereof, can be formed by a wide variety of processes including electroplating, electroless plating, ball bonding and solder reflow, and can have a wide variety of shapes and as-sizes. The choice between a connection joint that partially or completely fills the through-hole and the shape of the connection joint depends on design and reliability considerations. Further details regarding an electroplated connection joint are disclosed in U.S. Application Serial No. 09/643,212, filed August 22, 2000 by Charles W.C. Lin entitled "Semiconductor Chip Assembly with Simultaneously Electroplated Contact Terminal and Connection Joint" which is incorporated by reference. Further details regarding an electrolessly plated connection joint are disclosed in U.S. Application Serial No. 09/643,214, filed August 22, 2000 by Charles W.C. Lin entitled "Semiconductor Chip Assembly with Simultaneously Electrolessly Plated Contact Terminal and Connection Joint" which is incorporated by reference.